TABLE 5
SOLID WASTE INCINERATION
OPERATIONAL DATA

(Submit three copies for each incinerator)

Type Incinerator	Manufacturer	
Model Number	Capacity (lb/hr)	No. from Flow Diagram

ANALYSIS OF FUEL		
Type:	Sulfur Content (% by weight):	Ash Content (% by weight):
Total Fuel Rate (lb/hr or scfh)*	Gross Heating Value:	
Primary Burner Fuel Rate (lb/hr or scfh)*	Secondary Burner Fuel Rate (lb/hr or scfh)*	

ANALYSIS OF REFUSE		
Type of Refuse:	Burning rate (lb/hr):	Gross heating value:
Moisture Content (% of refuse):	Dry Combustible (% of refuse):	

OPERATING CHARACTERISTICS OF INCINERATOR		
1.	Primary Chamber	Secondary Chamber
Gas Velocity (ft/sec):		
Volume (ft^3): (from drawing)		
Temperature (°F)		

ITEM	UNITS	
2. Air Requirements	**	
3. Combustion Air Distribution		
a. Primary air through charging door leakage, expansion joints	% of 2 or scfm*	
b. Over fire ports	% of 2 or scfm*	
c. Under fire ports	% of 2 or scfm*	
d. Secondary chamber ports	% of 2 or scfm*	
4. Area of Port Openings		
a. Over fire ports	in^2	
b. Under fire ports	in^2	
c. Secondary chamber ports	in^2	
5. Grate Loading	lbs/ft^2-hr	
6. Grate Area	ft^2	
7. Primary Air Induction Draft	inches water guage	
8. Stack Draft	inches water guage	
9. Stack Velocity at Exit	ft/sec	
10. Stack Diameter	ft	
11. Stack Height	ft	
12. Stack Temperature	°F	
13. Attach an explanation on how temperature, air flow rate, excess air or other operating variables are controlled.		

* Standard Conditions: 70°F 14.7 PSIA
** Total Air (theoretical and excess) or total scfm

Also supply an assembly drawing, dimensioned and to scale, in plan, elevation, and as many sections as are needed to show clearly the operation of the incinerator. Show interior dimensions and features of the equipment necessary to calculate its performance.